

REMARKS/ARGUMENTS

This case has been carefully reviewed and analyzed in view of the Office Action dated 24 January 2008. Responsive to the rejections made in the Office Action, Claim 2 has been amended. Thus, Claims 1-16 remain pending.

In the Office Action, the Examiner rejected Claims 1 - 16 under 35 U.S.C. § 103(a) as being unpatentable over Brown et al., U.S. Patent No. 6,823,050 (hereinafter "Brown"), in view of Chan, et al., U.S. Patent Application Publication 2001/0046237 (hereinafter "Chan").

Before discussing the prior art relied upon by the Examiner, it is believed beneficial to first briefly review the structure of the invention of the subject Patent Application, as now claimed. The present invention is directed to a network system integrated with SIP call server and SIP agent client, the network apparatus being Session Initiation Protocol (SIP) structure, and the network system being provided between a local device and a network for connecting with at least one remote SIP agent client. The network system includes at least one local connecting port for coupling with the local device, and a remote connecting port for coupling with the network. The network system further includes an SIP processing module electrically connected with the local connecting port and remote connecting port. The SIP processing module includes a local SIP agent client for executing at least one SIP agent client program to convert an analog voice signal of the

local device into a digital signal and send the digital signal to the remote SIP agent client or convert the digital signal sent from the remote SIP agent client into an analog voice signal and then send the voice signal to the local device. The SIP processing module also includes an SIP call server for executing at least one SIP call server program. After the local SIP agent client and the remote SIP agent client perform SIP registry and the locations of the local SIP agent client and the remote SIP agent client are linked, the local SIP agent client and the remote SIP agent client can bidirectionally telecommunicate with each other by voice.

From another aspect, the present invention is directed to a network system integrated with SIP call server and SIP agent client, the network apparatus being Session Initiation Protocol (SIP) structure, the network system being provided between a local device and a network for connecting with at least one remote SIP agent client. The network system includes a network device being one of an ADSL modem, a cable modem, a wireless LAN access point, a network hub or an IP sharer. The network device has at least one local connecting port for coupling with the local device, and the network device has a remote connecting port for coupling with the network. The network system further includes an SIP processing module disposed in the network device and being electrically connected with the local connecting port and remote connecting port. The SIP processing module includes a local SIP agent client for executing at least one SIP

agent client program to convert an analog voice signal of the local device into a digital signal and send the digital signal to the remote SIP agent client or convert the digital signal sent from the remote SIP agent client into an analog voice signal and then send the voice signal to the local device. The SIP processing module further includes an SIP call server for executing at least one SIP call server program. After the local SIP agent client and the remote SIP agent client perform SIP registry and the locations of the local SIP agent client and the remote SIP agent client are linked, the local SIP agent client and the remote SIP agent client can bidirectionally telecommunicate with each other by voice.

It is respectfully submitted that the Brown reference is directed to a system and method for interfacing with a personal telephony recorder. This system provides the ability to communicate commands to the recorder during the course of a telephone call. The recorder is able to interface with an SIP Client 1050, as shown in FIG. 10, and uses the sequence of signals shown in FIG. 11. The recorder 1000 of FIG. 10 includes the Web server 1010 which in turn includes the HTTP server1020 and a plurality of Java Servlets 1030 for sending and receiving streamed digital voice signals to/from the SIP client 1050, Col. 13, lines 26-32. Thus, within recorder 1000 there is no device that functions to convert an analog voice signal of the local device into a digital signal and send the digital signal to the remote SIP agent client or convert the digital signal sent from the remote SIP agent client into an analog voice signal and then send the voice

signal to the local device, as defined in Claims 1 and 2. The reference clearly teaches away from such a system architecture, as the referenced system only provides for the transmission and receipt of digitized voice streams for interface with an SIP based device, through an external SIP client. Hence, the SIP Client 1100 in the signaling diagram of FIG. 11 is an external device, just as is the PSTN Client 1130. Nowhere does the reference disclose or suggest the inclusion of an SIP agent client within the recorder 1000.

Further, while Brown incorporates a proxy system for communication with PSTN based telephones and an SIP based telephone through an external SIP client, it nowhere discloses or suggests incorporating even that limited functionality in other than a personal telephony recorder. The reference fails to disclose or suggest incorporating the claimed SIP processing module of the instant invention in a network device that is one of an ADSL modem, a cable modem, a wireless LAN access point or an IP sharer, as defined in Claim 2.

The Chan reference does not overcome the deficiencies of Brown. The Chan reference is directed to an internet telephone interface. The interface incorporates a three port network hub 104 allowing the unit to provide a three way connection among a cable modem via the RJ45 connections 124, 125, a personal computer and the interface device, paragraphs 35 and 46. Thus, the reference only discloses the combination of the

telephone interface with a network hub, but nowhere discloses or suggest combining the claimed SIP processing module of the instant invention in a network device that is one of an ADSL modem, a cable modem, a wireless LAN access point or an IP sharer, as defined in Claim 2. Still further, nowhere does Chan disclose or suggest incorporating a local SIP agent client for executing at least one SIP agent client program to convert an analog voice signal of the local device into a digital signal and send the digital signal to the remote SIP agent client or convert the digital signal sent from the remote SIP agent client into an analog voice signal and then send the voice signal to the local device; and an SIP call server for executing at least one SIP call server program, whereby after the local SIP agent client and the remote SIP agent client perform SIP registry and the locations of the local SIP agent client and the remote SIP agent client are linked, the local SIP agent client and the remote SIP agent client can bidirectionally telecommunicate with each other by voice, as claimed in Claims 1 and 2.

As the combination of Brown and Chan fail to disclose or suggest the concatenation of limitations that define the invention of the subject Patent Application, as now claimed, they cannot make obvious that invention. It is believed that the Dependent Claims add further patentably distinct limitations, but are at least patentably distinct for the same reasons as Independent Claim 1 and therefore should be allowable as well.

MR3003-206
Application Serial No. 10/778,034
Responsive to Office Action dated 24 January 2008

For all the forgoing reasons, it is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectfully requested.

No fees are believed to be due with this Amendment. If there are any charges associated with this filing, the Honorable Commissioner for Patents is hereby authorized to charge Deposit Account #18-2011 for such charges.

Respectfully submitted,

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Dated: 23 May 2008

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